

S-E-C-R-E-T

AGENDA
Meeting No. 72
Research Development and Production Review Board

2 October 1957

Room 2035 "I" Bldg. - 1430 Hours

I. Old Business:

1. Review and Approval of the Minutes of Meeting No. 71.

II. New Business:

1. Discussion on the possibility of improvement of TA-1.
2. Engineering Division discussion on pertinent changes and progress of the R+D program.

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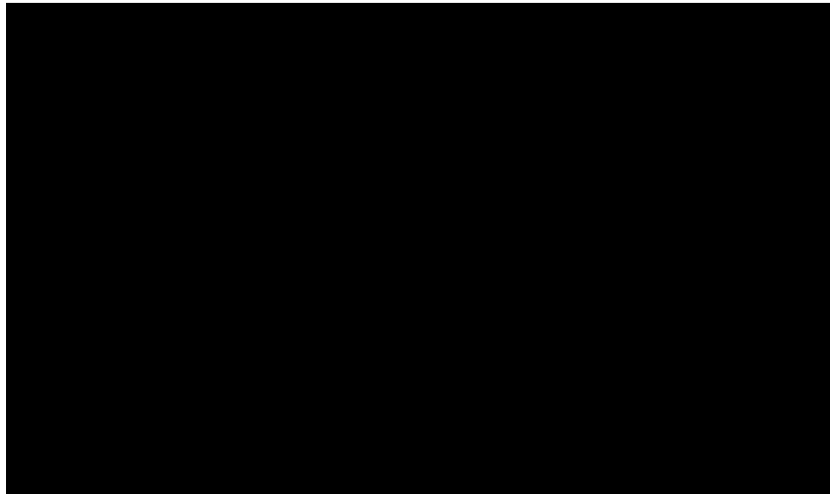
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MINUTES

Research, Development and Production Review Board

- I. A special meeting of the Research, Development and Production Review Board was held in the OC Conference Room at 0900 hours on 3 June 1957. The following persons were in attendance:



* Part Time

II.

1. The D/CO apprised the Board that the D/Ci had expressed an urgent requirement for a communication system that could be utilized [REDACTED] where normally, radio transmissions were prohibited. He stated that there were several locations which needed such facilities right now.

2. The SP representative presented information regarding Systems II equipment. He stated that, as of 1 April, project [REDACTED] had dropped cognizance of this project and that the Office of Communications had the responsibility for paying for expenditures related to Systems II, which had accrued since 1 April 1957. These amounted to approximately \$258,000. He stated that while a formal proposal had not been received from the contractor, an estimate had been prepared which indicates that for a total expenditure of approximately \$533,000 the Office of Communications can liquidate the existing indebtedness, and in addition can provide for the conversion of the airborne units of Systems II to field station equipment.

[REDACTED]

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3. [REDACTED] then presented a technical analysis of the System, and a comparison of it with other existing and planned equipments.

4. The SP representative pointed out that the principal points of interest in Systems II, concerned the fact that equipment could be made available in a very short period of time, and that the equipment would provide a means of communication when no skilled radio operator was available.

5. Considerable discussion took place, particularly in regard to the volume capabilities of the System and the practicability of producing a usable code book.

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6. The Board concluded as follows:

A. Systems II meets the requirement for limited volume communications utilizing other than radio operators in disaster situations.

B. That the development, testing, and production of Systems II for field station use, be done on an expedited basis.

C. That operational testing and field installation be done on an expedited basis.

D. That Systems II having volume limitations, is not considered the ultimate system for emergency communications.

E. That Systems II is an interim system readily available, but that it is not contemplated that additional procurement of this interim system will be initiated.

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F. That the above does not prevent further development of Systems II for emergency use, should this appear to be desirable.

7. The Engineering representative reported that in accordance with the desires of the D/CO, information was obtained from the contractor as to the ability to obtain proposals prior to 30 June 1957, covering (a) the study and development of a bread board unit of a data collection system utilizing the QFM technique (AS-6), and (b) the development of a version of the AS-4 equipment for field station use (AS-5). This information has been obtained from the contractor and he proposes a study including a bread board unit of the AS-6 at a cost of \$174,000, and the development of one complete prototype of the AS-5, at a cost of \$720,000. Utilizing funds remaining for R&D expenditures, it will be possible to initiate the data collection study, and additional funds in the amount of \$600,000 will be required to initiate the development of the AS-5.

8. The Board having previously approved the data collection study, this project will be initiated and the Engineering Division will prepare the necessary information to obtain the additional funds for the AS-5 equipment.

9. Since only one item remained on the agenda for the regular meeting of June 5, it was decided to hold this meeting on June 4, following the OC Staff Meeting. The meeting adjourned at 1220 hours.

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Members and those in attendance
listed in Paragraph I
R&D Internal Projects
R&D External Projects

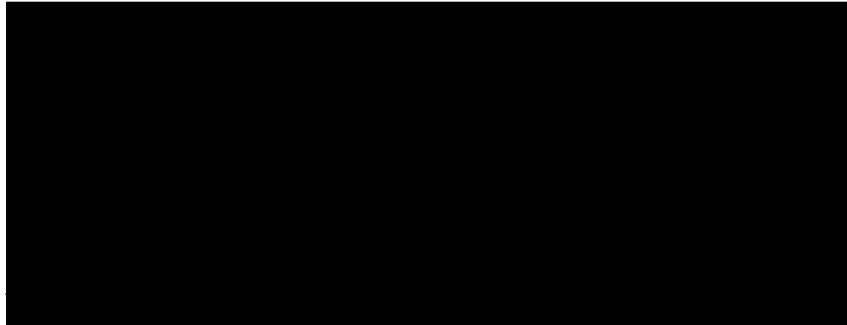
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MINUTES

Research, Development and Production Review Board

- I. Meeting #70 of the Research, Development and Production Review Board was held in Room 2038 "I" Building at 0930 hours on 4 June 1957. The following persons were in attendance:



* Part Time

II.

1. The O&T representatives introduced the requirement that had been received from Chief, [REDACTED] for 11A of the AN-UOT-1 (Keyers). Chief, [REDACTED] recommended that these be obtained from the military service test models on an expedited basis.

2. The Engineering representative pointed out that the military had only procured a small quantity, approximately 20 to 30 service test models, and they needed all of these for their own use. Discussion had been held with the manufacturer of the unit and he indicated, that in quantities between 100 and 500, the units could be produced at a cost of \$600 each, plus a tooling charge of \$30,000. It was further learned from the contractor that should quantities go to the order of 5000 to 10,000 units, there being an indication at one time that the Air Force might want such quantities, then the cost of the unit would drop to about \$350 with a tooling charge of \$150,000. After some discussion it was determined that the Board reiterated its position that the AN-UOT-1 is a desirable item and that O&T, in coordination with DD/P, should determine the total quantities desired. It was suggested that perhaps the easiest way of doing this would be for O&T to prepare a letter for the D/CO's signature, addressed to the DD/P Material Board, requesting information as to the quantities desired, and to obtain the concurrence of WE in this action.

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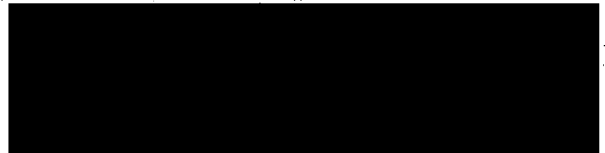
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3. The O&T representative again brought up the subject of expedite action on the AS-3. The Engineering representative stated that the contractor had been contacted and that we are awaiting word from him as to an expedited program. O&T will check as to what action has been taken in DD/P to obtain a formal directive for such expedited action and will, if necessary, prepare the necessary paper work for the cognizant DD/P Division.

4. The Board Members were not prepared to discuss the minutes of Meeting #69, and their review will be deferred until the regular meeting of the Board. The meeting adjourned at 1030 hours.

5. Next regular meeting of the Board will be July 3.

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R&D External Projects

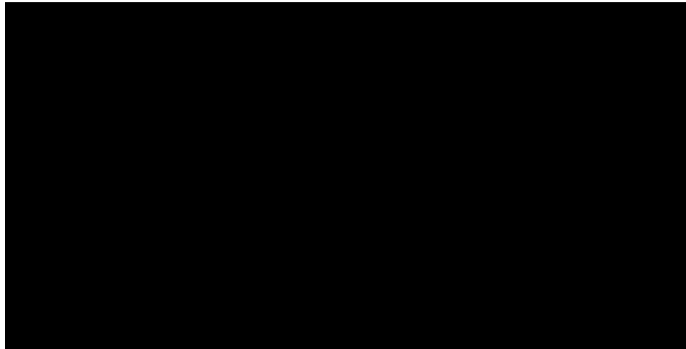
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MINUTES

Research, Development and Production Review Board

- I. Meeting #69 of the Research, Development and Production Review Board was held in the OC Conference Room at 1400 hours on 15 May 1957. The following persons were in attendance:



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* Part-time

- II. Under Agenda Item I-1, Old Business:

The Minutes of Meeting #68 were approved as written.

- III. Under Agenda Item I-2, Old Business:

1. A paper was presented by the O&T Division which resulted from discussions between that Division and OC-E, regarding agent type automatic keying devices. The Board approved the paper with the following change: Item 8, RS-16, c, - delete the last sentence starting "Procurement quantities ...".

OC-E
ACTION 2. Regarding the development work to be done on the RS-16, pertaining to a more flexible antenna system than the existing whip, the P&P representative recommended that OC-E investigate possible approaches to this problem and coordinate with O&T before taking further action.

3. In regard to the AS-3, the Engineering Division reported that they had made contact with the contractor and discussed with him the possibility of a speedup of the development work, as well as the production program that would guarantee delivery of equipments by November 1958. OC-E is awaiting a

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report from the contractor as to the practicability of this approach and an estimate of the increased cost thereof. O&T reported they had verbally contacted the DD/P Materiel Board for priority consideration and are awaiting an answer. It was the consensus of the Board that O&T should take necessary action with OC-E and WE, to initiate formal action to the DD/P Materiel Board.

IV. Under Agenda Item II-1, New Business:

The Board Members discussed the [REDACTED] and all were seriously concerned with the implications contained in the proposed charter of the DD/P Materiel Board. The Chairman appointed a working group to be composed of O&T P&P, and Engineering representatives to review this paper and make recommendations as to changes that should be made therein. In this review, as suggested by the SP representative, the working group shall review the Agency regulations setting forth the charter of the Office of Communications, and perhaps incorporate a statement in the revision of the [REDACTED] to the effect that nothing contained in the proposed [REDACTED] will abrogate any of the authorities and responsibilities assigned to the D/CO by the Agency regulations. It was felt that the time element was such that a further report could not be made to the Board, but must be submitted directly to the D/CO.

V.

The O&T representative stated that he believed a discussion should take place at the next meeting of the Board regarding Systems II, particularly as to the aims and purposes to which this equipment would be utilized. Considerable discussion took place on this item and the Board reached the following conclusions.

(1) The Board concurs in the continuation of the testing of the existing equipment for a long enough period to determine its operational and technical reliabilities.

(2) The Board agrees that at this time it does not have enough data on the operational and technical details, reliability,

[REDACTED]

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(3) The Board recognizes that O&T, SP, and OC-E reserve the right to call a special meeting of the Board to further consider this problem.

VI. The meeting adjourned at 1610 hours. The next regular meeting of the Board is scheduled for 5 June 1957.

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Distribution:

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Members and those in attendance
listed in Paragraph I
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R&D External Projects

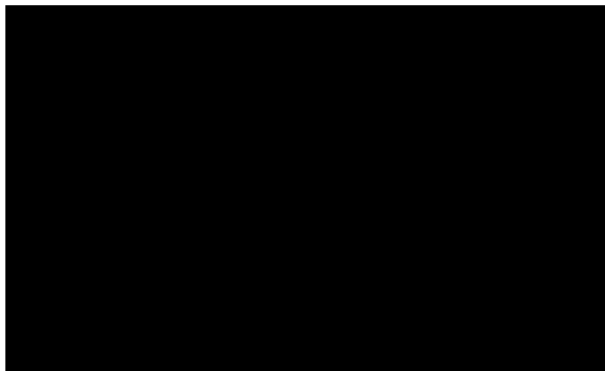
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MINUTES

Research, Development and Production Review Board

- I. Meeting #68 of the Research, Development and Production Review Board was held in the OC Conference Room at 1330 hours on 3 May 1957. The following persons were in attendance:



* Part-Time

- II. 1. The Minutes of Meeting #67 were approved as written.

2. A review was made of the revision of the proposed 1958-59 Budget. It was explained to the Board that this revision was arrived at by O&T and Engineering, on the basis of ending up with a total dollar figure of [REDACTED] for 1958, which figure represented the amount approved in the estimated 1958 Budget submitted a year ago.

3. The O&T representatives indicated that they had gone through the list of proposed projects and established priorities I, II, and III, and had found it necessary, in order to remain within the required figure, to eliminate all priority III projects and some priority II projects. It was further pointed out by O&T that they were definitely interested in having work performed on all the projects listed and that their elimination of the projects from 1958 did not indicate that they did not have interest in them.

4. It was pointed out by the Engineering representatives that to all practical intent the revised 1958 Budget meant that work already in progress would be continued, but that nothing new would be initiated in the coming fiscal year. Additionally, this meant that the large majority of expenditures would, of necessity, occur late in fiscal 1958, since the majority of the programs already in process would not require additional funding until that time.

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5. In the discussion of the detailed items the SP representative stated that he believed Project IV, 1. Automatic Data Transmitting System, could be carried on with ELINT funds since this project was similar to one for which he had a requirement, namely, ELINT Data Link. Accordingly, it was agreed that SP money would be utilized for this project, although it would remain on the normal OC-R&D budget list, and the funds picked up for this action would be utilized against another project to be determined by O&T and Engineering.

6. In the course of the discussion it appeared that additional funds might become available in the course of the fiscal year and the Engineering Division was directed to prepare necessary operational specifications in conjunction with the cognizant OC Division, for items in categories II and III, and other SP items, so that if funds should be available work could be readily initiated on these projects. Following the preparation of the operational specs, the Engineering Division would, of course, prepare the necessary technical specifications.

7. The matter of the conversion of Systems II equipment from airborne to sub-base equipment was discussed briefly and it was agreed that this would be considered later since no one had time as yet to review the contractual estimates. The SP representative indicated that although he had requested proposals from the contractor he had only received estimates. The D/CO stated that he would like to initiate action for additional funds the week of May 6, and requested that early action be taken on this matter. He further stated that there was a good possibility that additional funds are available now and that he would like to be able to discuss the utilization of these funds for other R&D work at the time he discussed System II. Accordingly, the Engineering Division was requested to determine if any projects could still be initiated in Fiscal Year 1957 in particular study types such as the High Speed Sub-Base Radio and Cryptographic System, and the Automatic Data Transmitting System. The Meeting adjourned at 1535 hours.

D/CO
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OC-E
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Distribution:

Members and those in attendance
listed in Paragraph I
R&D Internal Projects
R&D External Projects

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AGENDA
Meeting No. 69
Research, Development and Production Review Board

15 May 1957

Room 2035 "I" Bldg. - 1430 Hours

I. Old Business:

1. Review and Approval of the Minutes of Meeting #68.
2. Consideration of recommendations of O&T and OC-E regarding various keying systems.

II. New Business:

1. Review of DD/P proposed [REDACTED] The DD/P Materiel Board.

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AGENDA
Meeting No. 72
Research Development and Production Review Board

2 October 1957

Room 2035 "I" Bldg. - 1430 Hours

I. Old Business:

1. Review and Approval of the Minutes of Meeting No. 71.

II. New Business:

1. Discussion on the possibility of improvement of TA-1.
2. Engineering Division discussion on pertinent changes and progress of the R+D program.

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